

The diagram illustrates a vehicle refueling station with the following components and potential leak points:

- Dispenser:** The main unit at the top left, containing a **fuel line** and a **vapor return line**.
- Vehicle:** A car is shown at the nozzle, with its **vehicle tank** and **nozzle sleeve** indicated.
- Underground Tank:** A large storage tank at the bottom, connected to the dispenser via the fuel and vapor return lines.
- Assist Processor:** A unit connected to the vapor return line, with a **vent sleeve** and a **Thermal Oxidizer**.
- Leak Points (Numbered 1-4):**
 - 1:** At the nozzle sleeve/vehicle tank interface.
 - 2:** At the underground tank/vapor return line interface.
 - 3:** At the assist processor/vent sleeve interface.
 - 4:** At the assist processor/vapor return line interface.
- Leak Point 4a:** At the Thermal Oxidizer/vapor return line interface.
- Leak Point 4b:** At the Thermal Oxidizer/vent sleeve interface.

Legend:

- HC:** hydrocarbon concentration
- V:** volume
- P:** pressure
- T:** temperature

Pressure Related Fugitives: A label indicating the type of emissions from the numbered leak points.

FIGURE 2
Test Point 1 (Nozzle Sleeve)

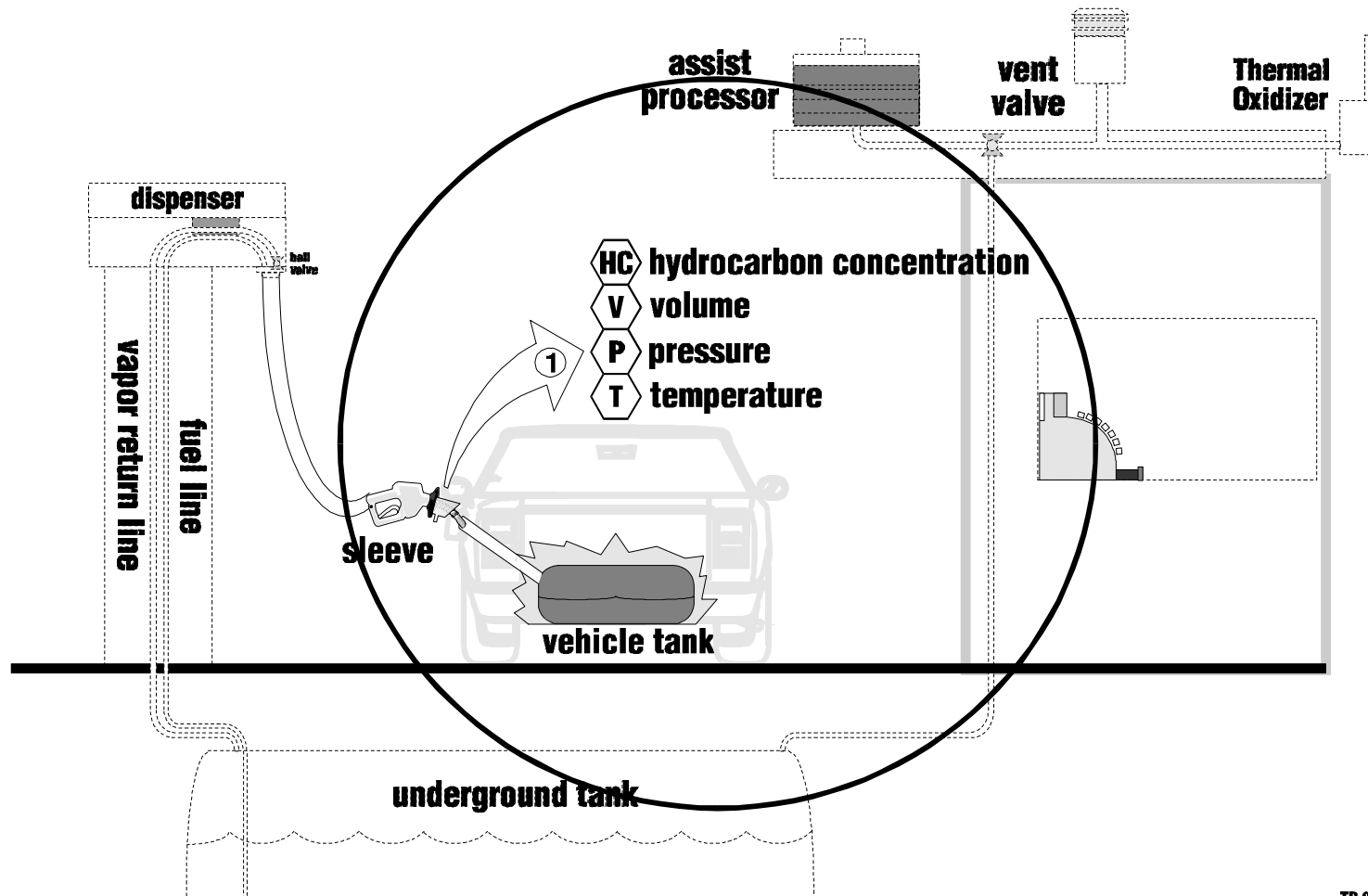
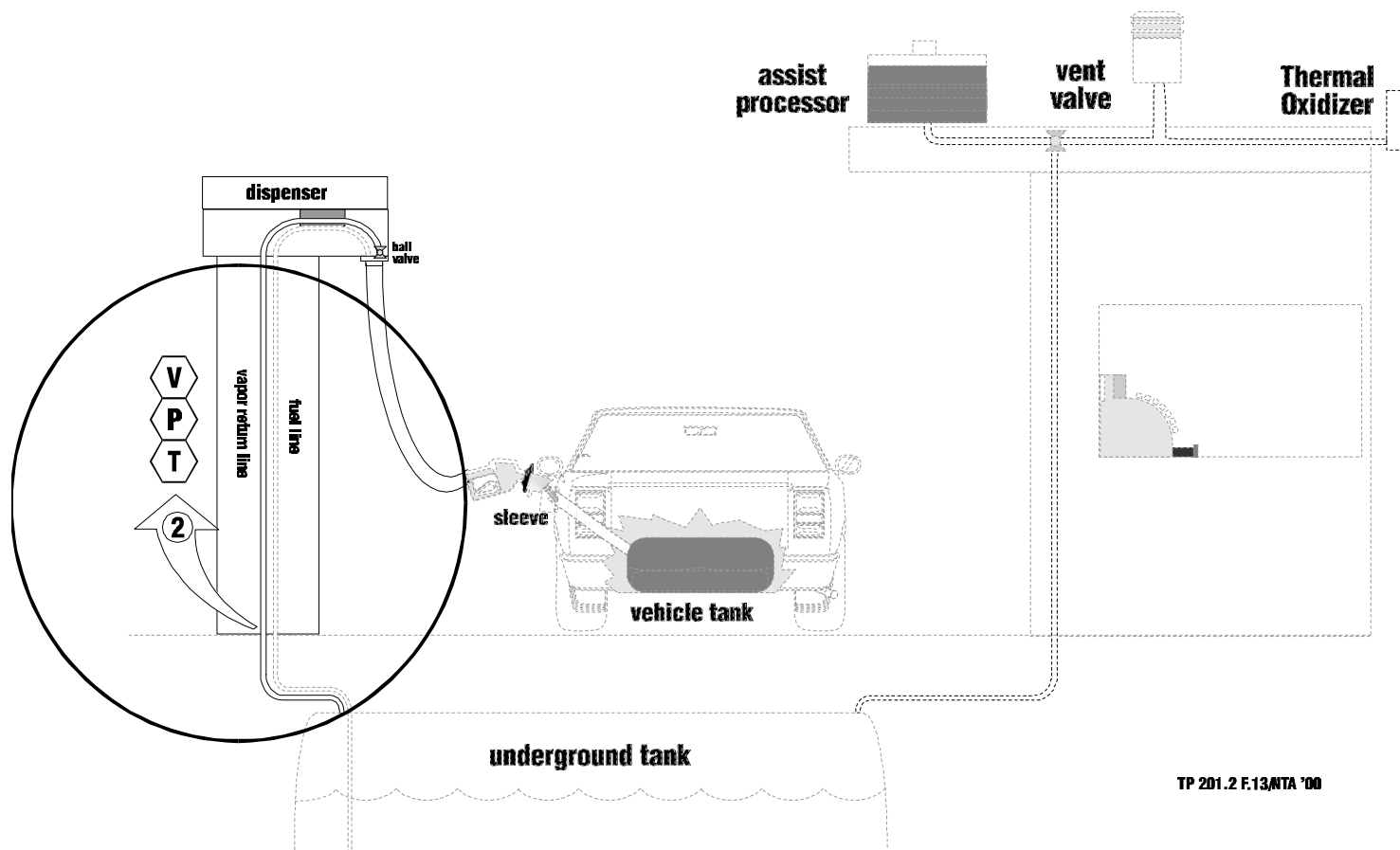


FIGURE 13
Test Point 2 (Vapor Return Line)



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FIGURE 18
Vent Sleeve Assembly
(Sectional View of Sleeve)

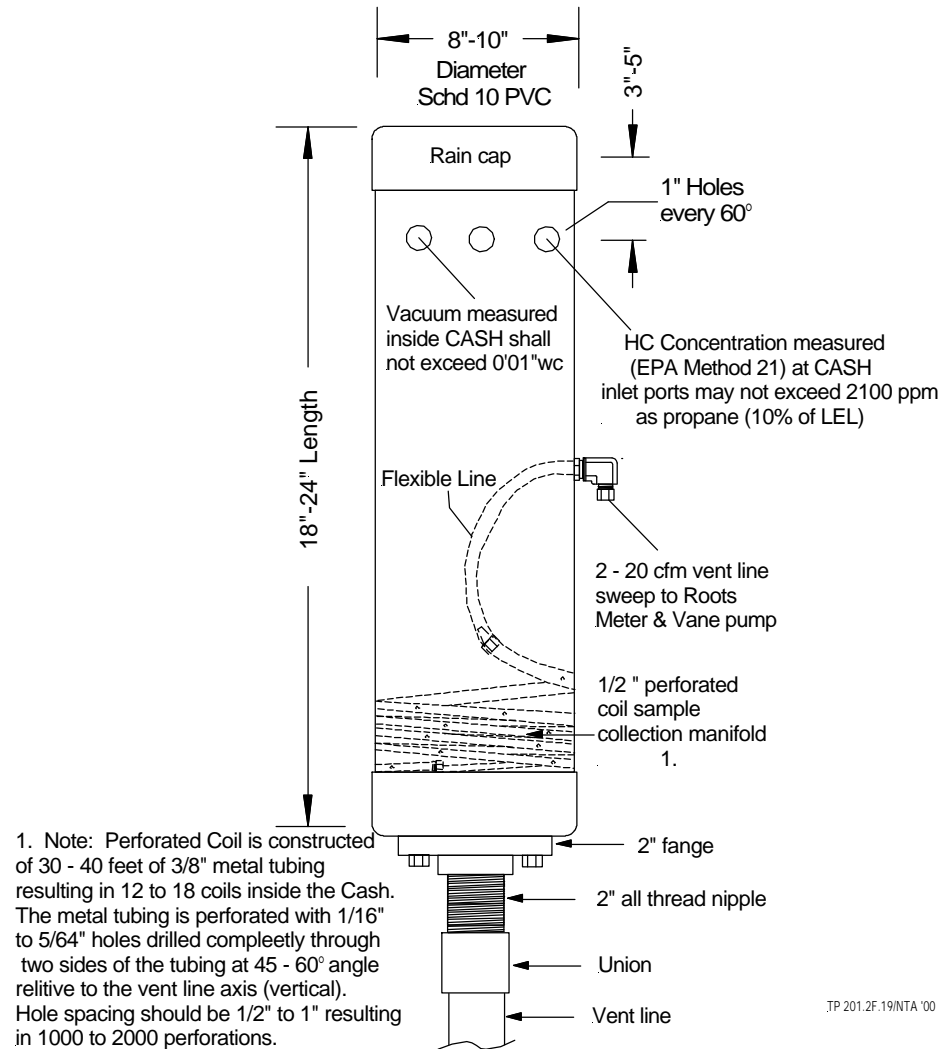


FIGURE 19
Vent Sleeve Assembly (View of Sleeve on Manifold Vent Lines)

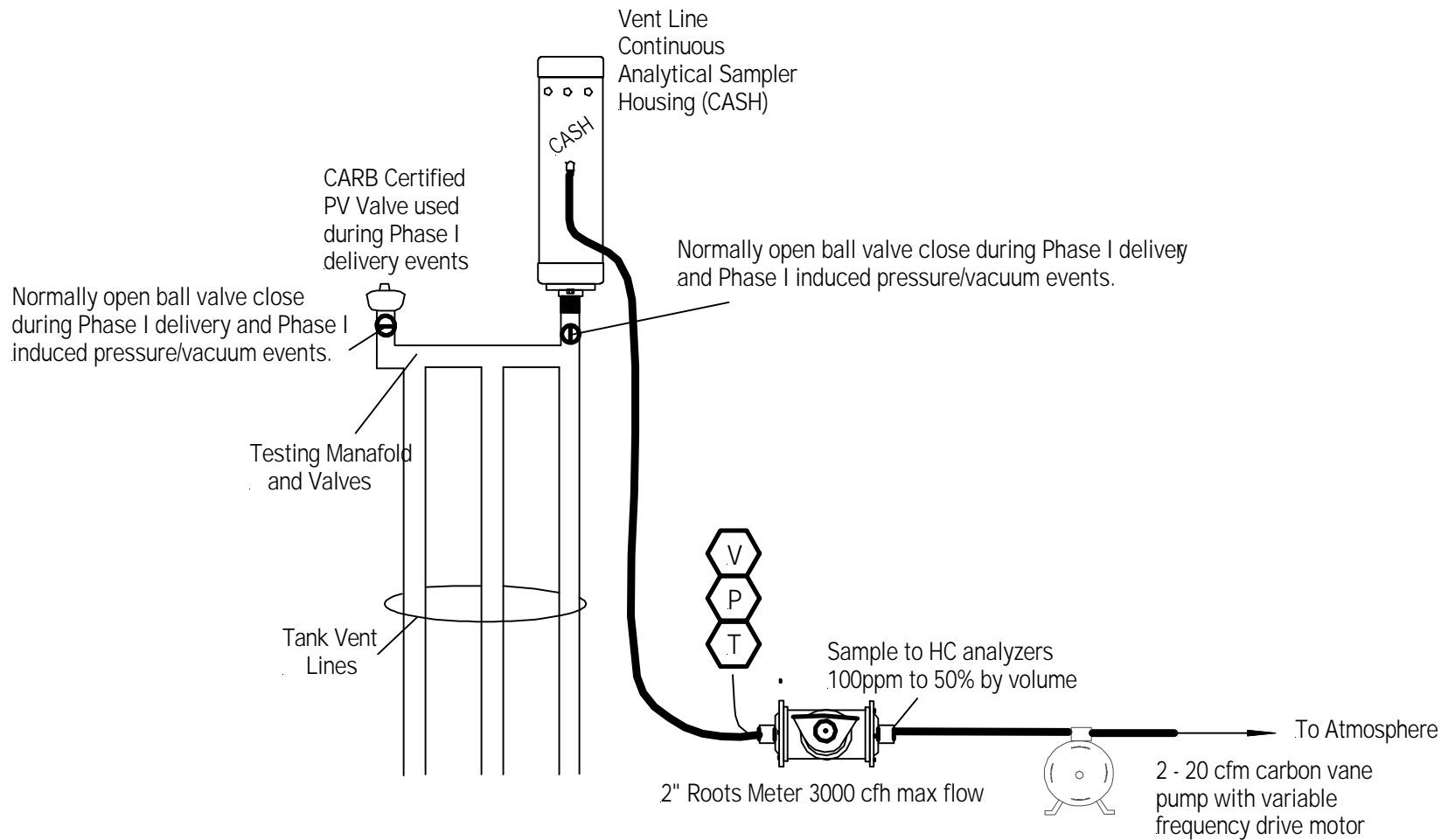


FIGURE 20

Vent Sleeve Assembly
(View of Sleeve on Single Vent Line)

